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App Serial No. 10/511931
Amendment and Response
Office Action Mailed 10/17/2006

FEB 20 2007

REMARKS

In response to the Examiner's Detailed Action mailed 17 October 2006, Applicants submit these amendments, remarks, and a request for an extension of time for one month. Applicants cancelled claims 53-59, claims 1, 5, 6, 9, 15-20, 23-27, 31, 32, 35, 41-46 and 49-52 are pending. Claims 2-4, 7, 8, 10-14, 21-22, 28-30, 33-34, 36-40, 47-52 are withdrawn but are eligible for reinstatement.

Applicants traverse the rejection of claims 1, 5, 6, 9, 23, 25-27, 31-32, 35, 49 and 51-52 as being anticipated by Masui '079. Masui '079 does not teach or suggest that "the correction accuracy of the recording pulse position is changed depending on the information recording conditions or the information recording characteristics that were identified from an optical recording medium" as required by claims 1 and 27. Masui '079 discloses that a correction value to adjust the pulse width and output timing for the record pulse can be established and selected based on three die lengths: L0 – the record pulse duration for writing; L1 - a blank length in front of the record pulse; and L2 - a record pulse duration. Masui '079 is silent about both information recording conditions such as recording density or linear recording velocity, and information recording characteristics such as jitter or the bit error rate, let alone how any such conditions and characteristics affect the correction value or its accuracy. In other words, Masui '079 simply does not recognize the problem addressed, i.e., the recording conditions and characteristics, and then solved by changing the correction accuracy of the recording pulse position.

Applicants request the Examiner to withdraw the rejection of claims 1, 5, 6, 9, 23, 25-27, 31, 35, 49 and 51-52 as being anticipated by Masui '079.

Applicants traverse the rejection of claims 15-20 and 41-46 as being obvious in view of Masui '079 in view of Seo '759; and similarly traverse the rejection of claims 25 and 50 as being obvious in view of Masui '079 in view of Muritsugu '505. Just as Masui '079 fails to disclose or suggest that the correction accuracy can be changed based on recording conditions and characteristics as required by claim 1 and 27, neither Seo '759 nor Muritsugu '500 provides these or any complementary teachings. Seo '759 teaches how to adjust the output characteristics of a laser diode to record optical data according to

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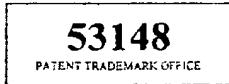
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the correlativity between the lengths of a mark currently being recorded and the lengths of leading/trailing spaces, Seo '759 at column 1, lines 53-55. Muritsugu '505, teaches how to shift the front edge and extend the back edge of the recording pulse time using an elaborate thermal shift compensation method that turns the laser light on and off based on recording pulse intervals of the original data, see Muritsugu '505 at column 21, line 66 through column 22, line 38. All three references adjust the edge position of a recording mark based on the lengths of the leading/trailing recording marks. Applicants respectfully request the Examiner to withdraw the rejection of claims 15-20, 41-46 and claims 24 and 50 because if none of the references teach changing the correction accuracy based on information recording conditions and characteristics, their combination cannot do so.

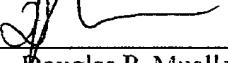
If a telephone conference would be helpful in resolving any issues concerning this communication, please contact Applicants' primary attorney-of record, Douglas P. Mueller (Reg. No. 30,300), at (612) 455.3804.

Respectfully submitted,



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Dated: February 20, 2007

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DPM/lS